13 Fixes For Your Computer Is Low On Memory Warning

October 30, 2021

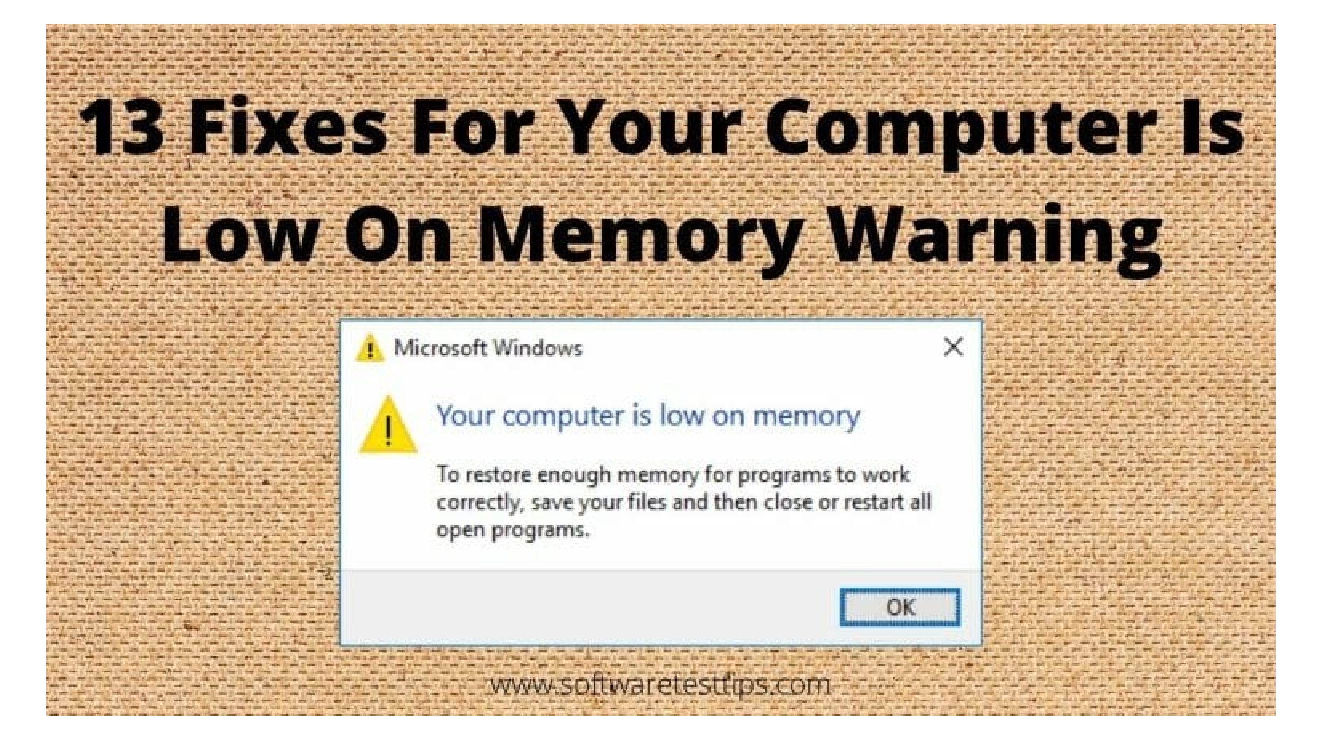


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What does "Your computer is low on memory" mean on a Mac?

"You have Low Memory" Mac virus is a potentially unwanted application (PUA), a part of the adware/scareware category that displays misleading warning messages. Programs like this display pop-ups, alerts, and other forms of promotional content to force the user to purchase such products or services.

Users are lured into giving permission to the application that displays the pop-up to control their browsers and the data they store on them.

PUAs that display the said message have been spotted by cyber security experts, including, but not limited to:

- BeAware
- ScreenCapture.app
- ScreenSaver.app
- Spaces.app
- MacSecurityPlus

As the pop-up page states, the computer has a low amount of RAM, and it is recommended that the user closes some opened applications to free memory.

Due to the pop-up hiding another window, the "Close" button from the first window also contributes to the consent option for the next pop-up. The result is that users click "Close" and the hidden button is clicked unintentionally as well.

A disguised pop-up is a system window through which a rogue application requests potentially harmful capabilities or actions. For example, the app might request permission to control the browser (e.g., Google Chrome, Safari, etc.) in this deceptive manner. The app behind this pop-

up can then attempt to access files and data stored in the browser, and exploit it in various ways once the permission is granted.

Additionally, users who attempt to uninstall the application displaying the message receive the message "Your computer is low on memory". To avoid this pop-up, please remove the selected app right away if it appears.

How do I manually remove the "Your computer is low on memory" virus in Mac?

Almost all rogue applications are hidden deep within the system and do not appear in any list of installed software. Since there are numerous steps and programs that are being used to remove this malware, the process may appear confusing. The instructions are written so that anyone will be able to easily understand and follow them to remove malware.

It is very important that you follow the steps properly.

- Get rid of malicious profiles on your Mac

- Open the System Preferences on your Mac
- Navigate to the Profiles icon within the System Preferences window.
- Choose any suspicious profile you wish to remove using the Profile icon, and then click the – (minus) button to remove the profile.
- Remove any unfamiliar activity from your system

- Select Utilities from the Go menu in the Finder bar on your Mac
- Double-click the Activity Monitor icon on the Utilities screen.
- Check the Activity Monitor for any processes that look suspicious, such as MacSecurityPlus, Spaces, ScreenCapture, ScreenSaver, and BeAware. Focus on entries on the list that require a lot of resources in order to narrow down your search.
- You should rely on your own judgement when reviewing suspicious activity. If you see anything suspicious, click the Stop icon in the upper left-hand corner.
- Select the Force Quit option when a follow-up dialog appears asking if you are sure you want to stop the troublemaking process.
- Get rid of malicious apps on your Mac

- On your dock, click the Finder application.
- Click on "Applications" in the left pane of the Finder.
- The "Applications" screen will display a list of all the apps installed on your device. Once you've located the malicious app, right-click it, and click "Move to Trash".
- Afterwards use "Empty Trash" to delete the contents of the Trash, including the program you just deleted.
- Verify and remove any malicious files

- The first step is to enable viewing of hidden directories by browsing to "/Users/Test/Library/Application Support".
- Keep an eye out for suspicious files, anything you don't remember downloading or that doesn't sound like a genuine program. Make sure you move any malicious files to the Trash.
- In the Finder, click the Go menu icon again and select Go to Folder. The Command-Shift-G shortcut can also be used.
- Select /Library/LaunchAgents from the folder search dialog and click Go.
- Look for suspicious-looking items and drag any files or folders that don't belong on the list to the Trash.
- Follow the same steps as above at the following location,

- ~/Library/LaunchAgents
- /Library/Application Support
- /Library/LaunchDaemons
- Remove malicious extensions from Safari, Chrome, or Firefox

- Open Safari browser, from the menu bar, select Safari, and click Preferences.
- Select Extensions within the preferences window, then select any suspicious extensions you have installed and click Uninstall.
- Launch Mozilla Firefox. Click the Open Menu (three horizontal lines) button in the top right corner of the screen.
- Open the Add-ons menu.
- If you find any suspicious add-ons installed, click the Remove button next to it/them.
- In Google Chrome, click the Chrome menu button (three horizontal lines) located in the top-right corner of the browser window. Choose More Tools from the dropdown menu and then click Extensions.
- The Extensions window allows you to find any installed suspicious extensions and discard them.
- Please note that most extensions are not necessary for normal browser operation, so you can safely uninstall them.
- Resetting your browser can help you resolve browser redirects and unwanted advertisements.

See also 10 Fixes For Can't Delete File Or Folder In Windows

Here's how to fix Low on Memory warning in Windows

A Windows message that states "Your computer has low memory" indicates that some apps are using too much space. Basically, it means that for some reason, your Windows resources are being drained. Although the pop-up window saying Your computer is low on memory isn't a virus, one can cause it.

Whenever this occurs, all of the open programs on your Windows can start malfunctioning. There may be a problem with saving open work.

Fortunately, there are several ways we can resolve this issue. Usually, a simple reboot or system restart can do the trick. But if your issue persists, I hope that the following troubleshooting steps will be of assistance.

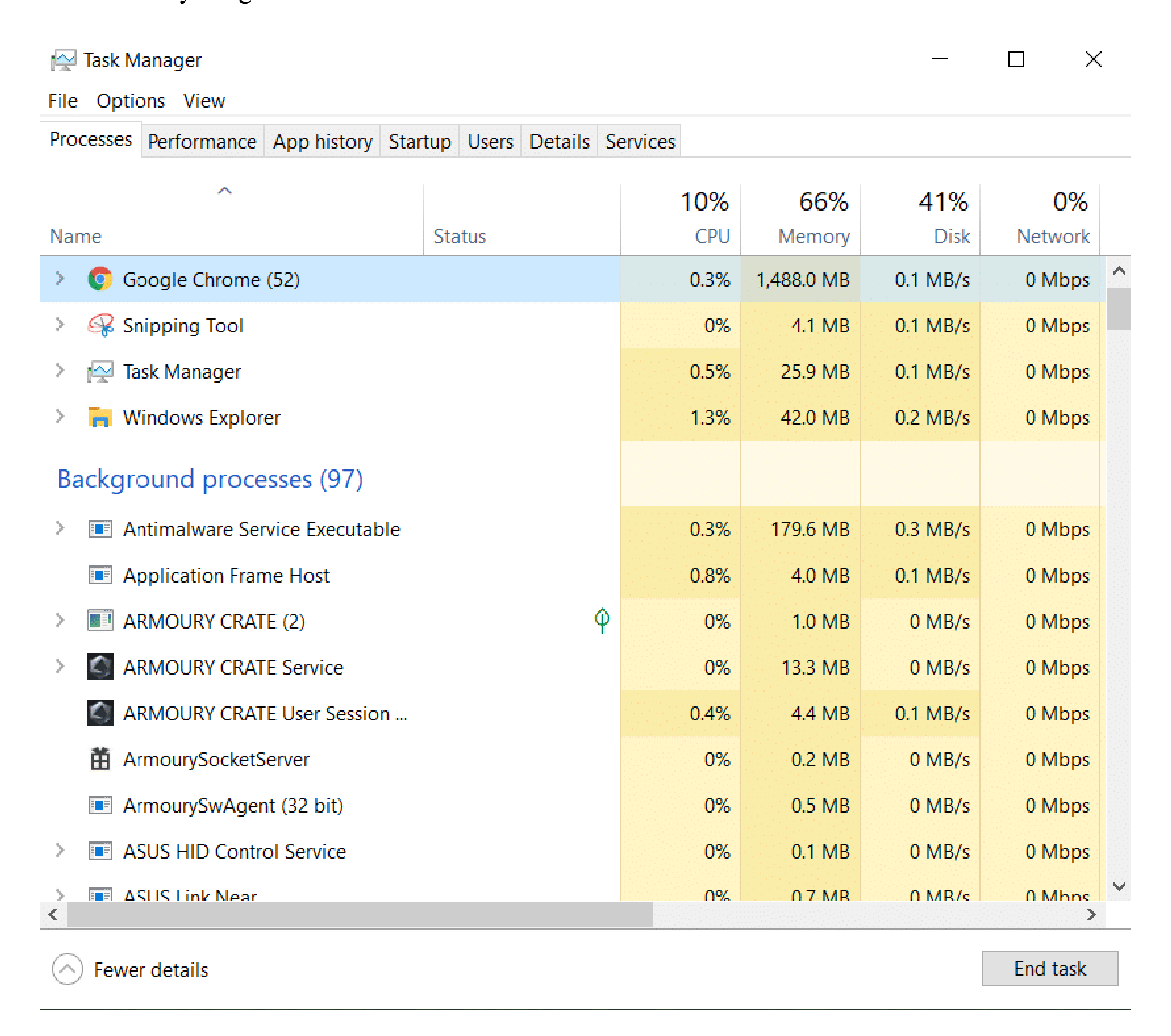
Solutions For Your Computer Is Low On Memory Warning

1. **Disable Programs that consume too much memory**
2. **Disable Startup Programs**
3. **Manually increase Virtual Memory**
4. **Upgrade RAM**
5. **Update Windows to the Latest Version**
6. **Check and Repair Disk Errors**
7. **Run System CleanUp to Remove Junk and Temporary Files**
8. **Remove recently installed software**
9. **Use Windows Troubleshooter**
10. **Repair any error in your registry**
11. **Run a full system scan**
12. **Correct system errors**
13. **Disable Windows Memory Warnings**

1. Disable Programs that consume too much memory

The easiest and fastest way to fix this issue is to stop programs that are consuming too much memory while your computer is running. When you press "Ctrl + Alt + Del" at the same time, you will bring up Task Manager.

If you open the Task Manager, you will see a list of all the open and running programs and their memory usage.



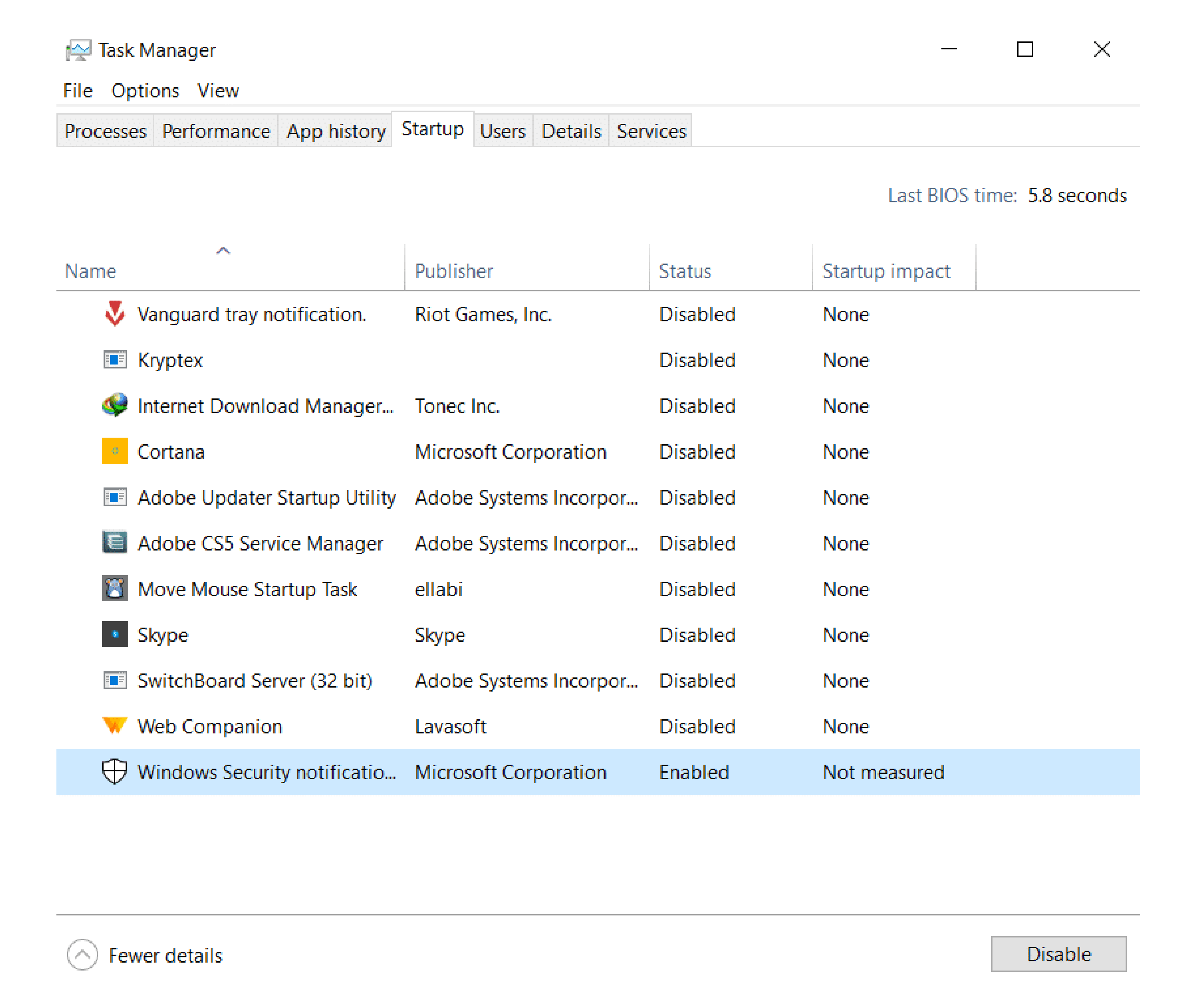
Select the programs that are using a lot of memory and CPU usage then select End Task to close the selected programs or apps. You can also do the same with various processes by going to the processes tab.

When you close these apps and processes, the memory allocated to them will be freed up. Freeing up this memory will allow your computer to run more efficiently. Within minutes, you will notice a change in the computer’s behavior.

2. Disable Startup Programs

It is possible that the computer is low on memory if there are many startup programs. Rather than enabling these programs, it is advisable to disable them here.

- Open the Task Manager.
- Go to the Startup tab.



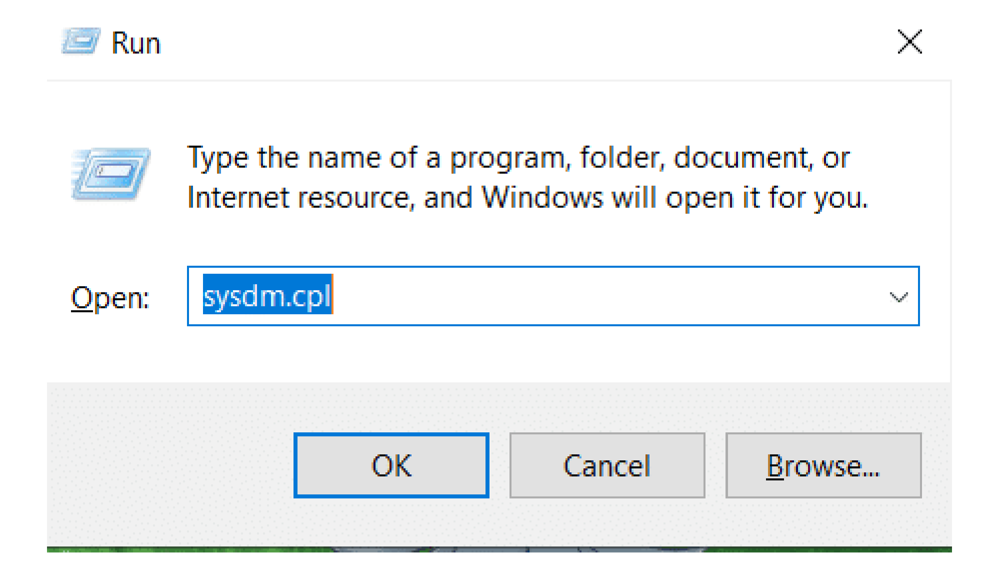
- Under the Startup tab, right-click on a program to choose Disable.

If it fails to fix the low memory error in Windows just go to the next way.

3. Manually increase Virtual Memory

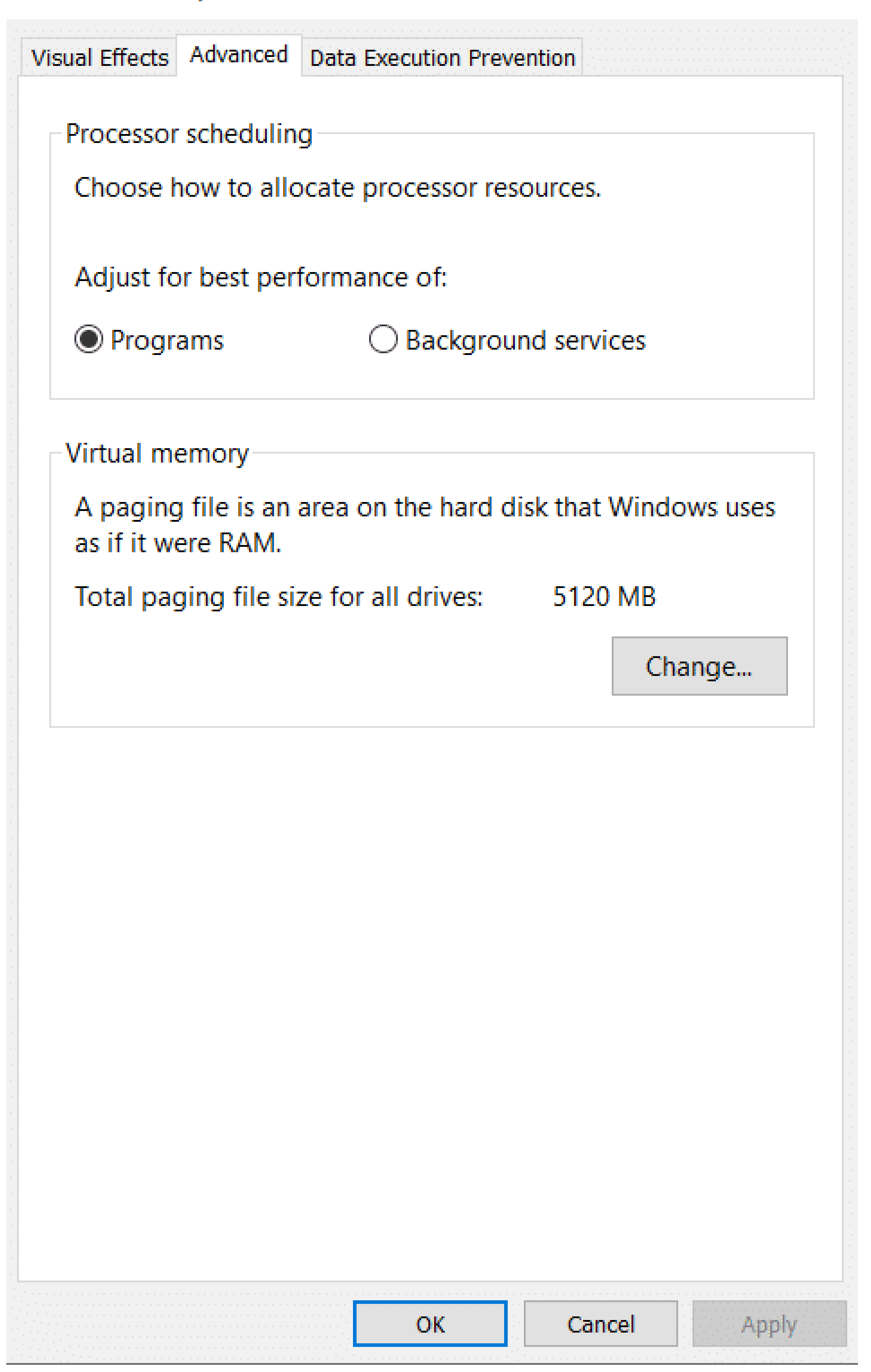
You can also increase virtual memory to resolve the low memory issue. Due to the lack of apps for this specific purpose, you'll have to do it manually.

- Enter advanced system settings in the search of Windows and click on the first result. You can also press the Windows key + R key on your keyboard to add the Run dialog box, enter sysdm.cpl and hit OK to open the System Properties window.

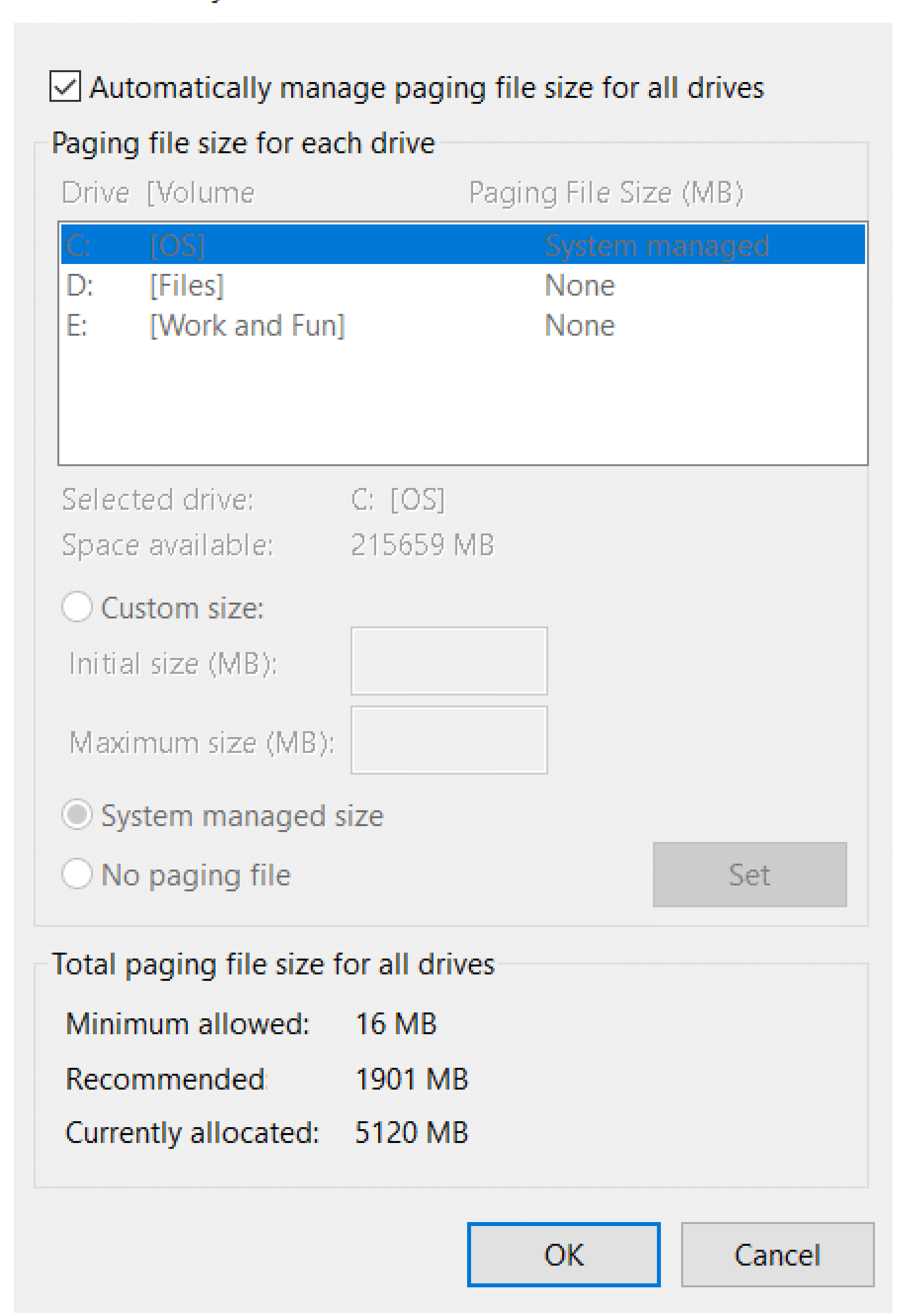


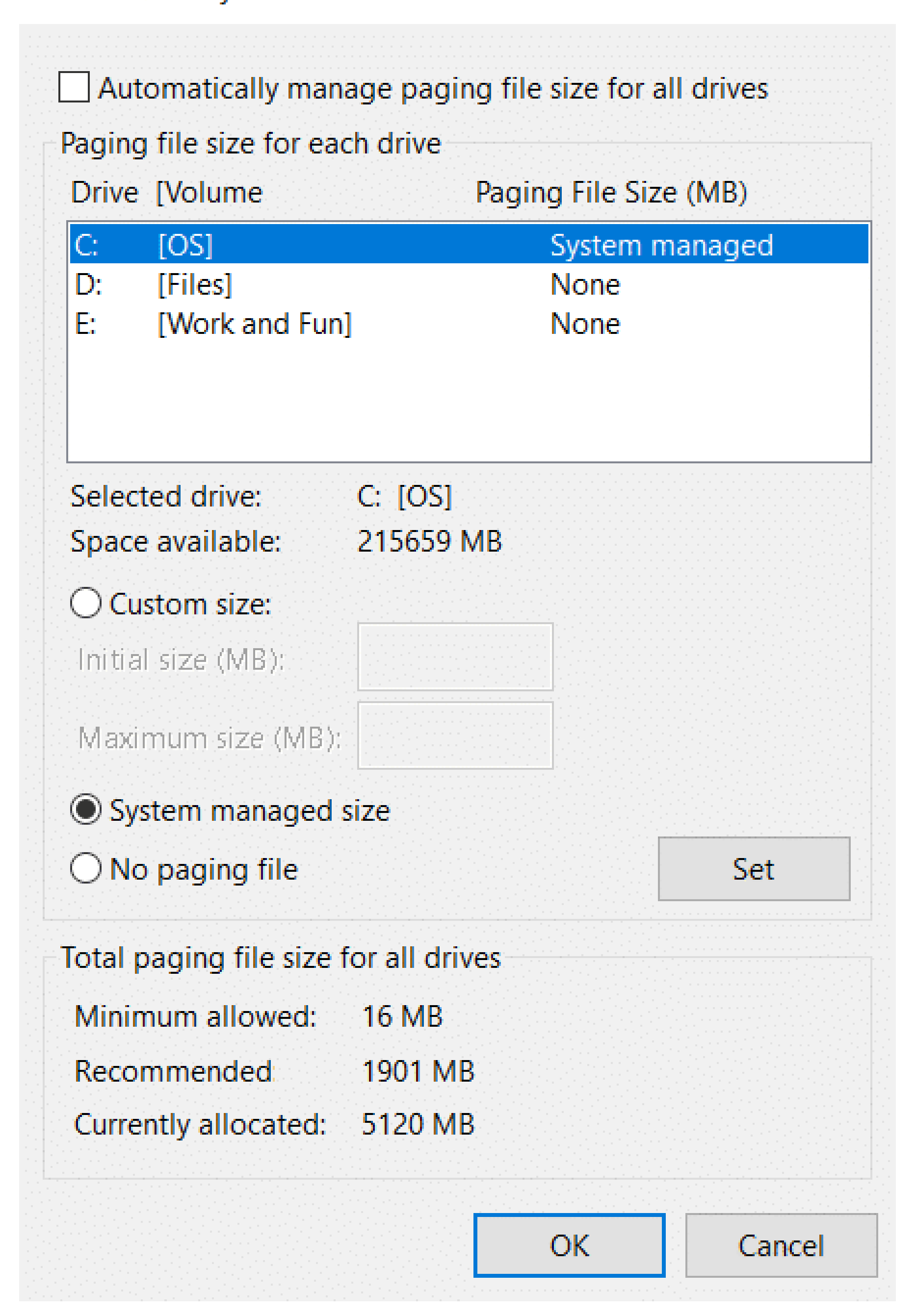
- Under the Performance section, select the Advanced tab and click Settings.

- In the new window, click the Advanced tab again and click Change from the Virtual Memory panel.

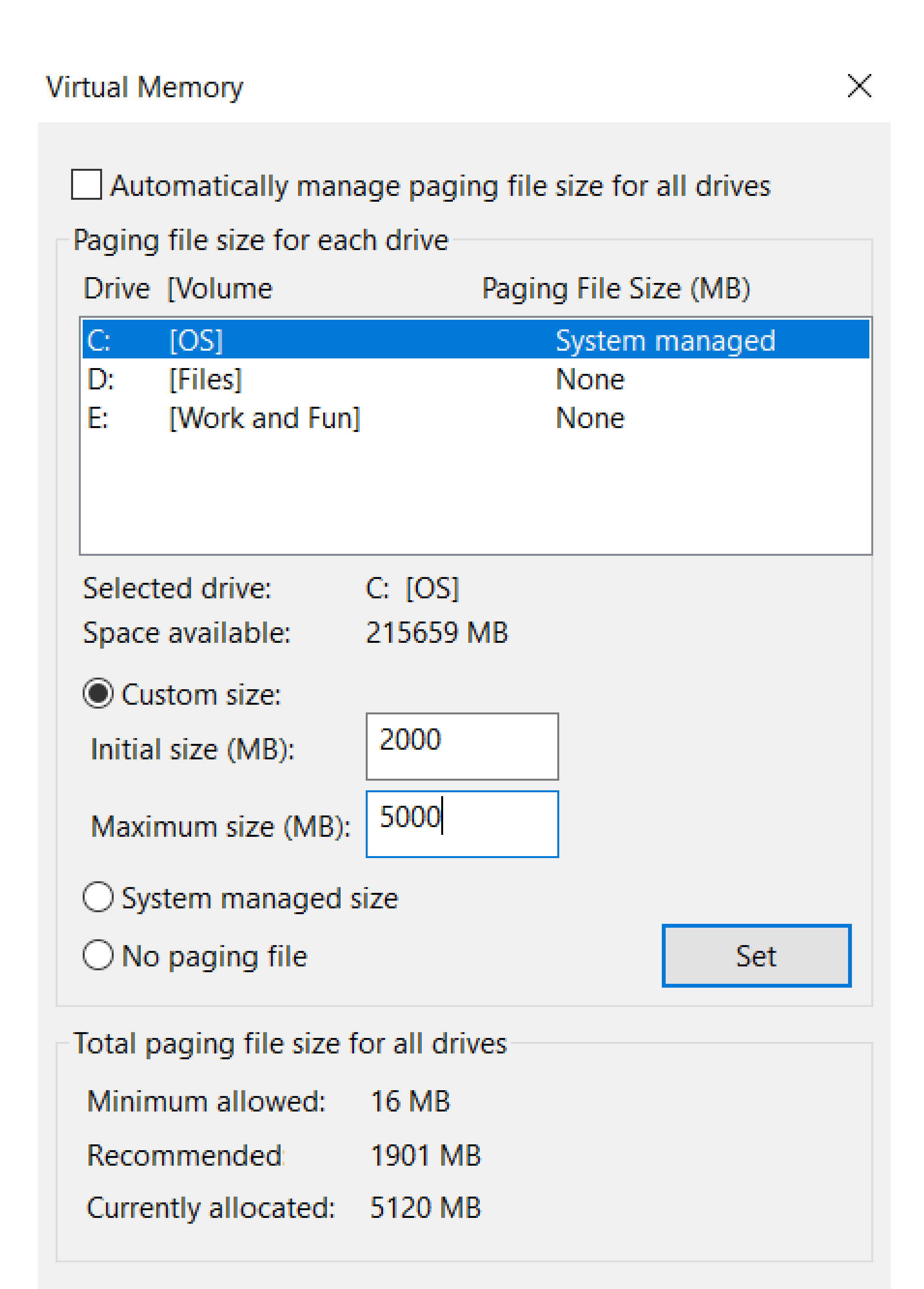


- Uncheck “Automatically manage paging file size for all drives”.


Virtual Memory
Automatically manage paging file size for all drives
Paging file size for each drive
Drive [Volume
Paging File Size (MB)
C: [OS] System managed
D: [Files] None
E: [Work and Fun] None
Selected drive: C: [OS]
Space available: 215659 MB
Custom size:
Initial size (MB):
Maximum size (MB):
System managed size
No paging file
Set
Total paging file size for all drives
Minimum allowed: 16 MB
Recommended 1901 MB
Currently allocated: 5120 MB
OK
Cancel



- Click on one drive and then select Custom size. There is also a need to change the initial size (MB) and the maximum size (MB) in these two sections.



- You should set sizes that are larger than the recommended size.
- Finally, click OK to save the changes.

See also 10 Fixes For Hard Drive Not Showing Up In Disk Management

4. Upgrade RAM

You can upgrade your RAM if you don't have a lot of RAM and have a computer with low memory problems often. A RAM upgrade can help your Windows computer run faster and cause fewer system freezes or hangs.

It is generally recommended that the majority of you have at least 8GB of RAM. It's a bit of a sweet spot. Gamers or those who need to run a lot of larger programs should have 12-16 GB.

Before installing new RAM, it's a good idea to gauge how much RAM your computer can carry. It depends on the version of Windows and the motherboard. Furthermore, you must find out what type of RAM your computer can use.

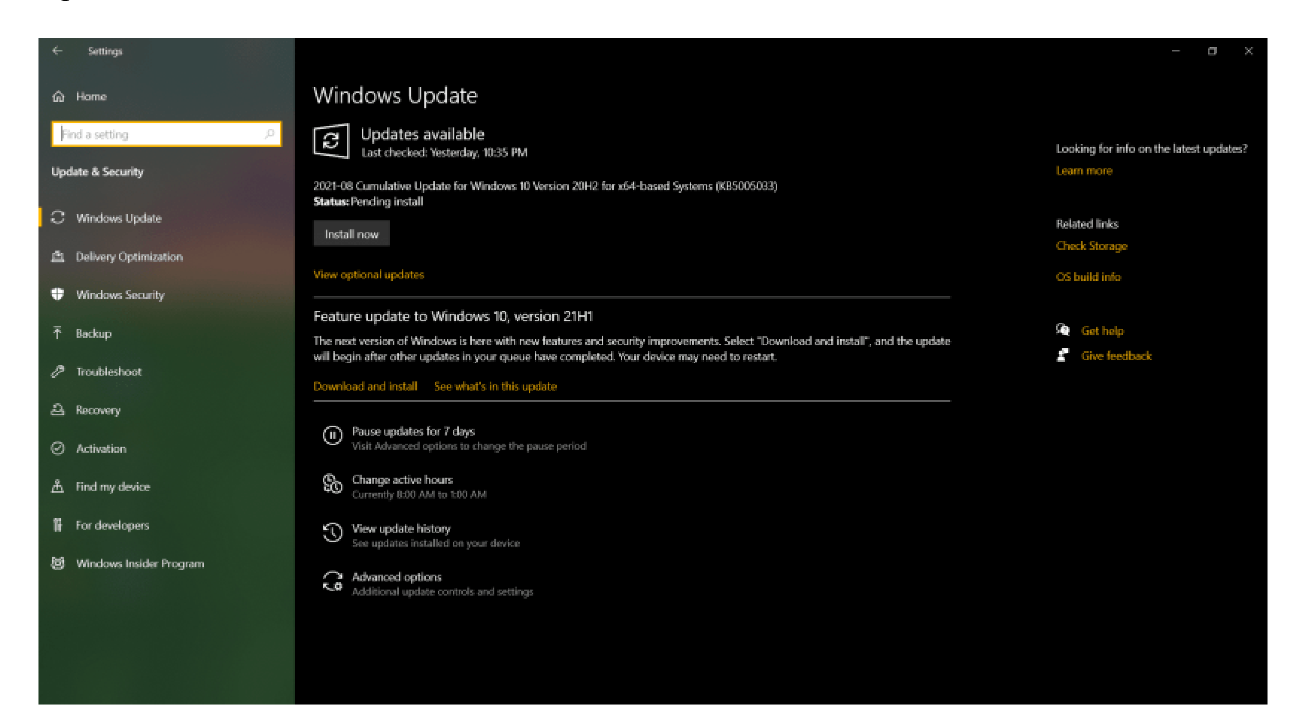
All these things are important to consider, otherwise, your new memory won't work with your computer. Once this is done, you can open the computer case and install the new memory.

Note: If you're not a technical person, you may want to leave this to the professionals. A computer expert can assist you.

5. Update Windows to the Latest Version

Ensure that your Windows OS is up to date. In case you forgot, Microsoft constantly releases Windows updates to improve the system's stability and fix various problems.

You can access the Windows Update section by typing update in the search box. This method works for all versions of Windows. Install the updates that are available through Windows Update.



Alternatively,

Go to "Settings". To see if a new version of Windows has been released, click "Update & security" and click the "Check for updates" button under the Update status.

Install the update and restart your computer afterward, if there is one.

6. Check and Repair Disk Errors

Command Prompt allows you to perform a disk check.

- Start Command Prompt as administrator and type the command chkdsk C: /f followed by Enter. Your partition letter should replace C.

```
Command Prompt
Microsoft Windows [Version 10.0.19042.1110]
(c) Microsoft Corporation. All rights reserved.

C:\Users\ASUS>chkdsk C: /f
```

chkdsk displays a warning that it needs to fix the file, but it does not fix any errors if you do not specify the /f parameter.

chkdsk C: /f detects and repairs logical problems affecting your drive. Run the chkdsk C: /r parameter as well to repair physical issues.

```
Command Prompt
Microsoft Windows [Version 10.0.19042.1110]
(c) Microsoft Corporation. All rights reserved.

C:\Users\ASUS>chkdsk C: /r
```

7. Run System CleanUp to Remove Junk and Temporary Files

By deleting junk and temporary files and folders, you can also fix the "Your computer is low on memory" issue. Using a free PC disk cleaning tool will help you make it work seamlessly.

In addition to scanning your computer for inactive files that hog disk space, the software allows you to remove useless large files, system junk files, and invalid entries on your Windows OS. The system cleaning process will then be initiated.

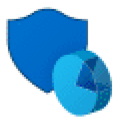
8. Remove recently installed software

Try uninstalling any recently installed new software to fix the problem if you weren't experiencing the problem before.

- Click on Start, then type Control Panel. Click Uninstall on the recently added program(s).

Control Panel

Adjust your computer's settings



System and Security

Review your computer's status

Save backup copies of your files with File History

Backup and Restore (Windows 7)



Network and Internet

View network status and tasks



Hardware and Sound

View devices and printers

Add a device

Adjust commonly used mobility settings



Programs

Uninstall a program

Uninstall or change a program

To uninstall a program, select it from the list and then click Uninstall, Change, or Repair.

Organize ▾ Uninstall Change Repair

Name	Publisher	Installed On	Size	Version
ROG Live Service	ASUSTek COMPUTER INC.	8/11/2021	34.9 MB	1.2.16.0
Microsoft OneDrive	Microsoft Corporation	8/9/2021	188 MB	21.139.0711.0001
Microsoft Edge WebView2 Runtime	Microsoft Corporation	8/7/2021		92.0.902.67
Microsoft Edge	Microsoft Corporation	8/7/2021		92.0.902.67
Microsoft Update Health Tools	Microsoft Corporation	8/6/2021	1.09 MB	2.82.0.0
Google Chrome	Google LLC	8/4/2021		92.0.4515.131
Genshin Impact	miHoYo Co.,Ltd	7/19/2021		2.10.2.0
Adobe Photoshop CS5	Adobe Systems Incorporated	7/18/2021	1.68 GB	12.0
AURA lighting effect add-on x64	ASUS	6/25/2021	991 KB	0.0.16

- Restart your computer, and check if the issue is resolved.

9. Use Windows Troubleshooter

Your Computer is low on memory error messages that can appear when a program or other third-party application does not function properly. If this is the case, you can run Windows Troubleshooter and perform system maintenance.

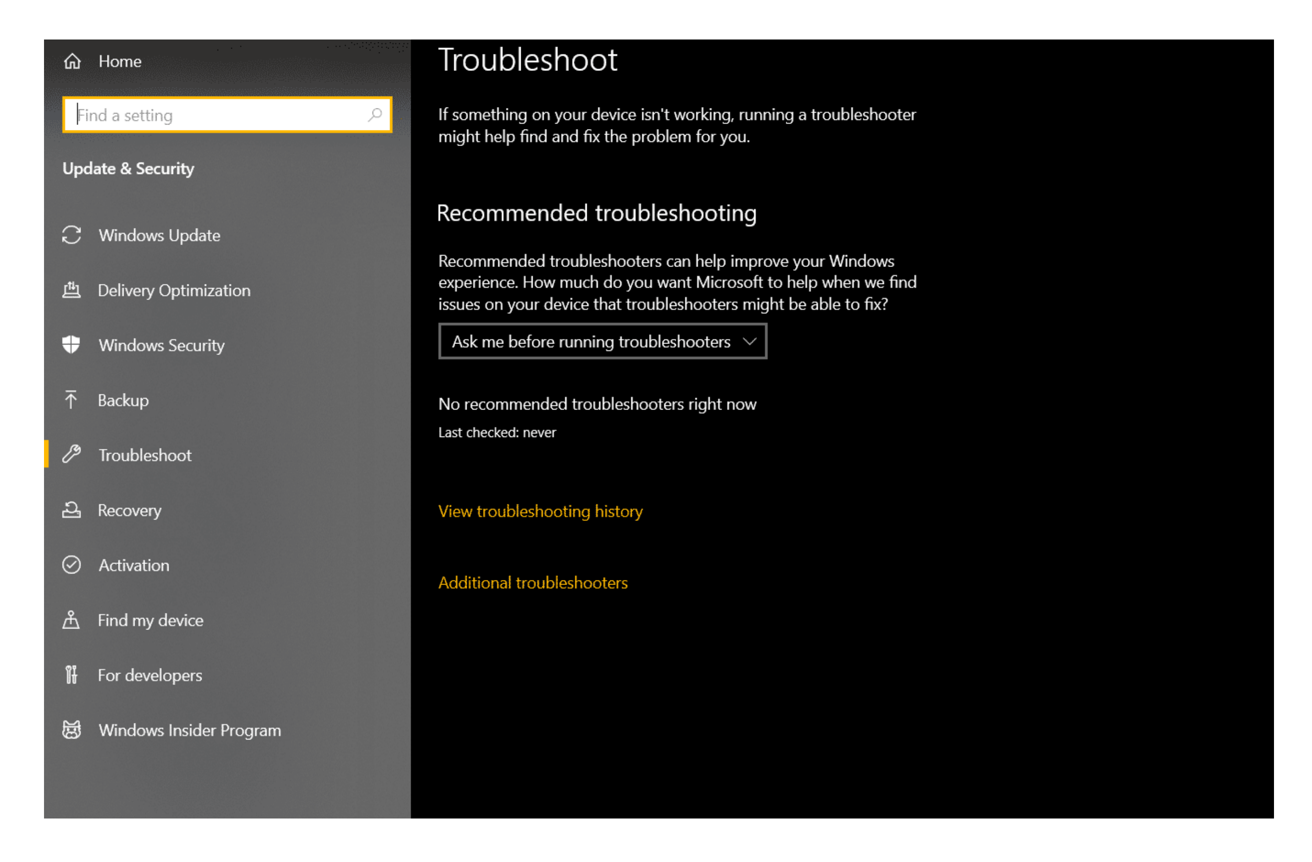
- To start troubleshooting, click on the Start button and type Troubleshooting into the search box.
- In the Troubleshooting window, click View All (located on the left panel) and then click System Maintenance.
- Tap on Next and wait while your system runs the troubleshooting steps.

You can also use Windows 10's built-in troubleshooting tool to solve the issue.

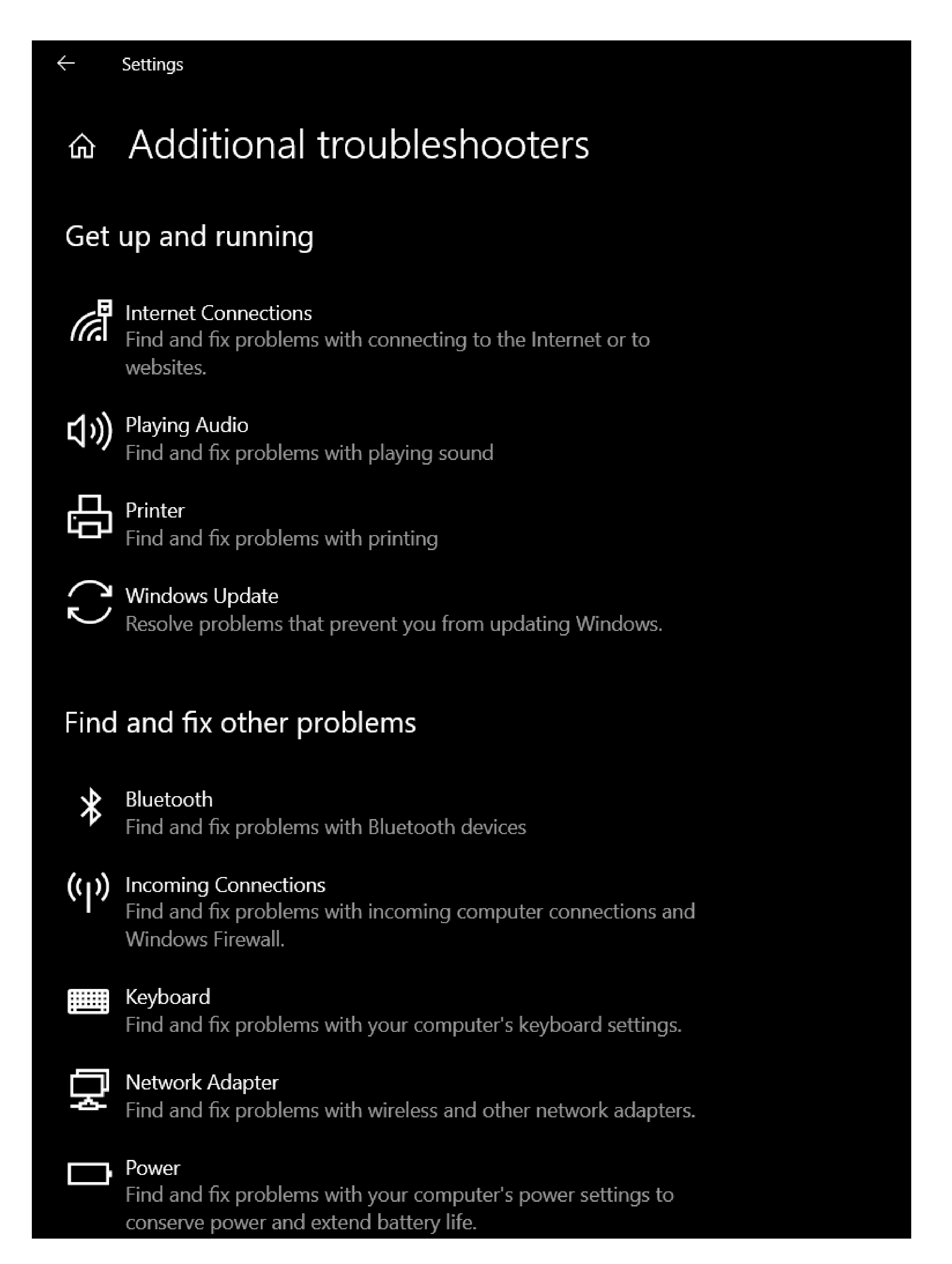
Open settings and choose Update and Security.

There is a Troubleshooting option here, which will usually list any errors in the system.

See also 14 Fixes For Can't Transfer Photos From iPhone To Windows



You may also click on Additional Troubleshooter to get a more advanced list of other troubleshooters to scan for malware, software or memory issues.



10. Repair any error in your registry

You may also receive the Your computer is low on memory popup when your system files, such as registry files, are corrupted. Using the built-in System File Checker in Microsoft's operating system is a good method to check for system file corruption. The utility will scan and verify the integrity of all protected system files and repairs those that have problems.

- In the Search box, type cmd.
- Right-click Command Prompt and choose Run as Administrator.
- Now type the sfc /scannow command, and press Enter.

```
Command Prompt
Microsoft Windows [Version 10.0.19042.1110]
(c) Microsoft Corporation. All rights reserved.

C:\Users\ASUS>sfc /scannow
```

- Wait for the scanning process to complete and then restart your computer.

If corrupted system files cause the computer to have low memory, the problem will be solved.

11. Run a full system scan

You might receive the Your Computer is low on memory alert when malicious files are installed. In this case, you only need a strong antivirus program and an antimalware tool.

Perform a full scan of your system to make sure that your computer is free from malware. You can use built-in antivirus in Windows or a third-party antimalware program to scan.

12. Correct system errors

Usually, system errors are caused by hidden, unnecessary program leftovers, junk files left over after program uninstallation, old registry keys, etc. These can sometimes cause the "Your computer is low on memory" error message to appear.

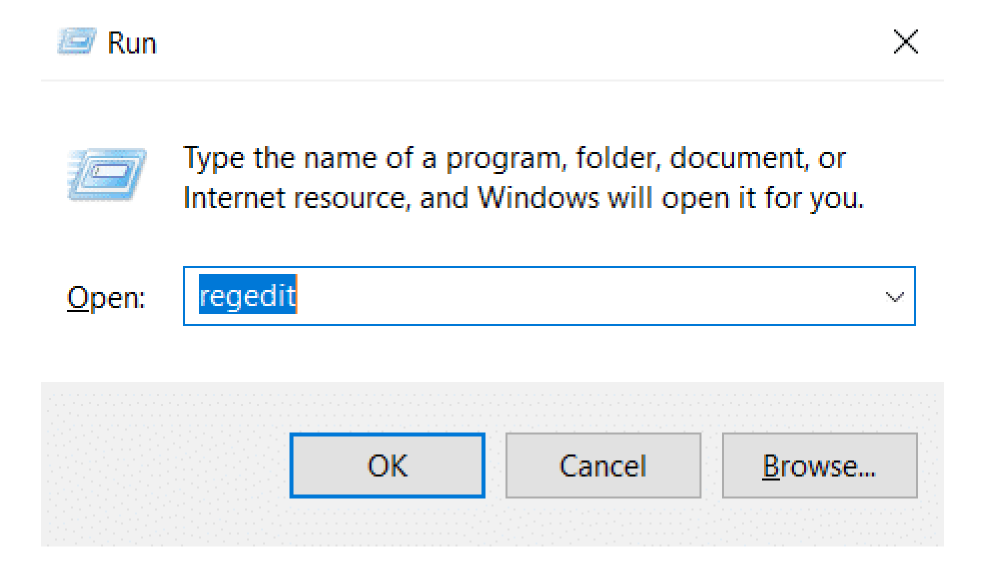
You can either eliminate these manually or with the help of third-party software to free disk space and reduce memory usage.

13. Disable Windows Memory Warnings

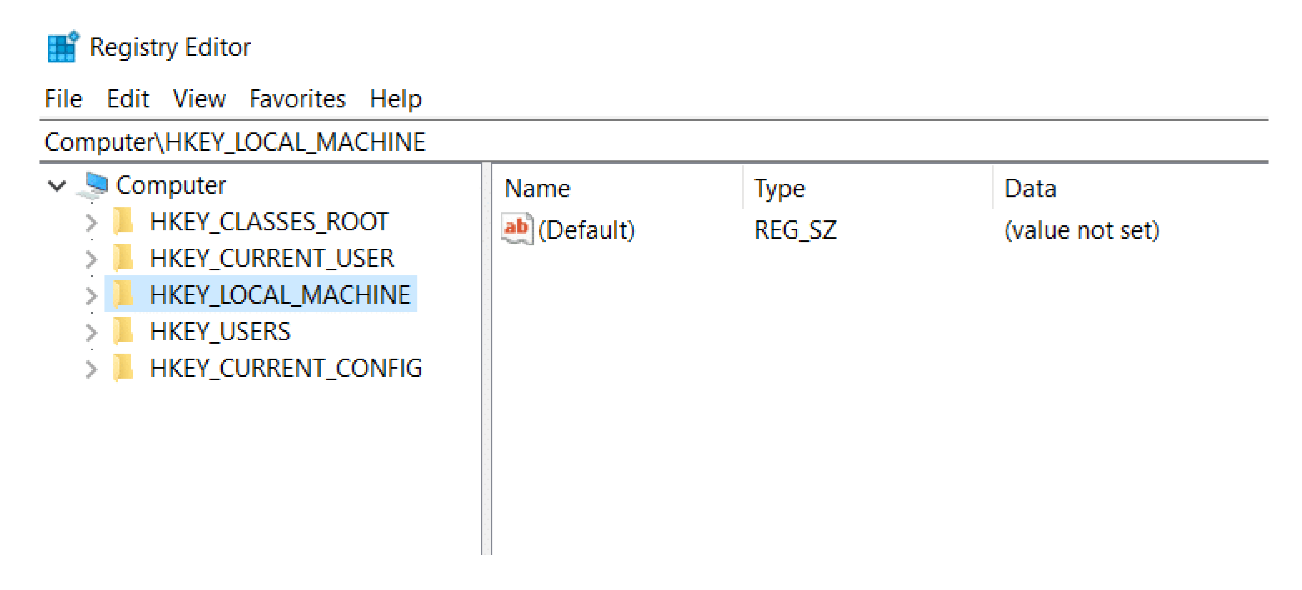
For systems with RAM less than 4GB, this method is not recommended as a solution to the "Your computer is low on memory" error message.

In order to do this, we need to stop DLL files radardt.dll and radarrs.dll from being loaded by Diagnostics.

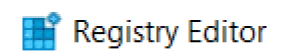
By pressing Windows Key + R, type "Regedit" and hit enter, the Registry Editor will open.

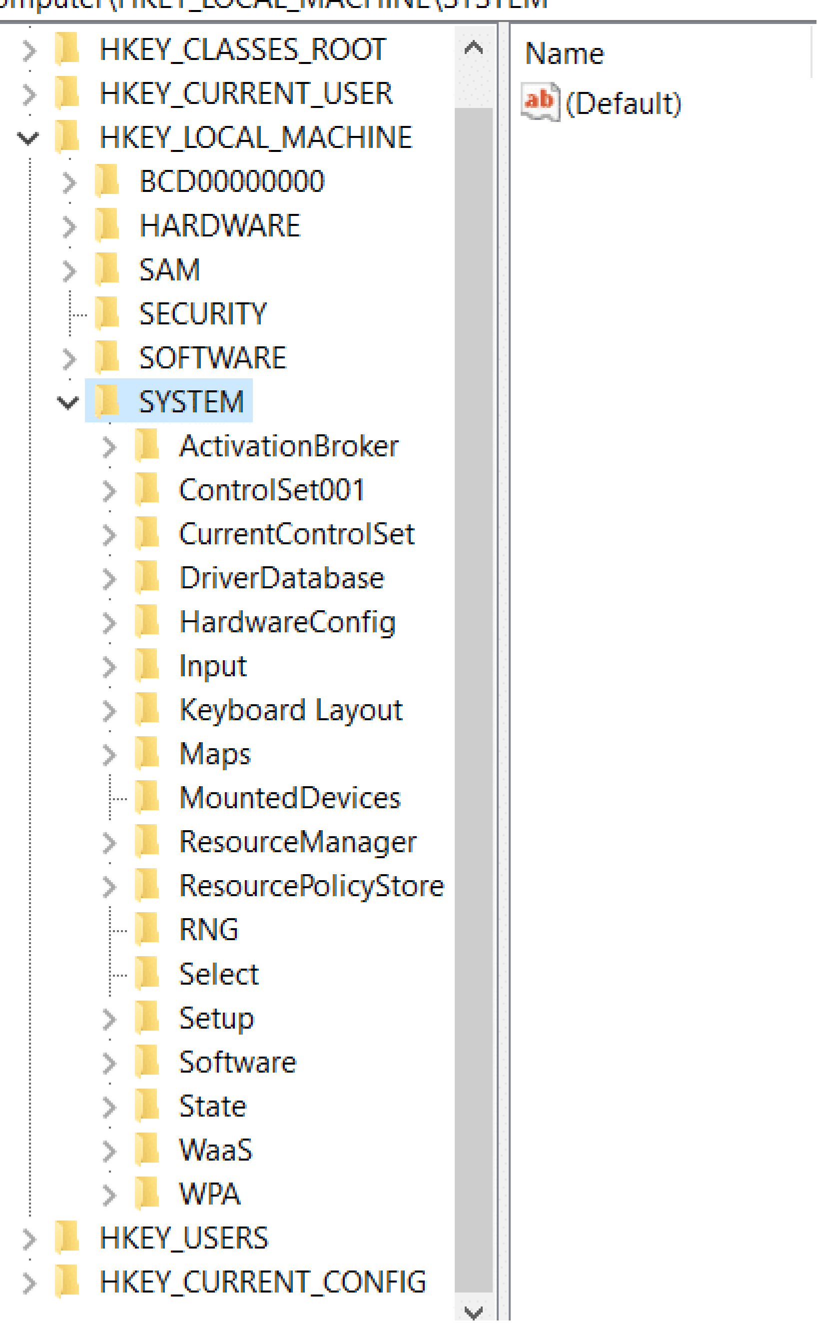


Navigate to and open HKEY_LOCAL_MACHINE



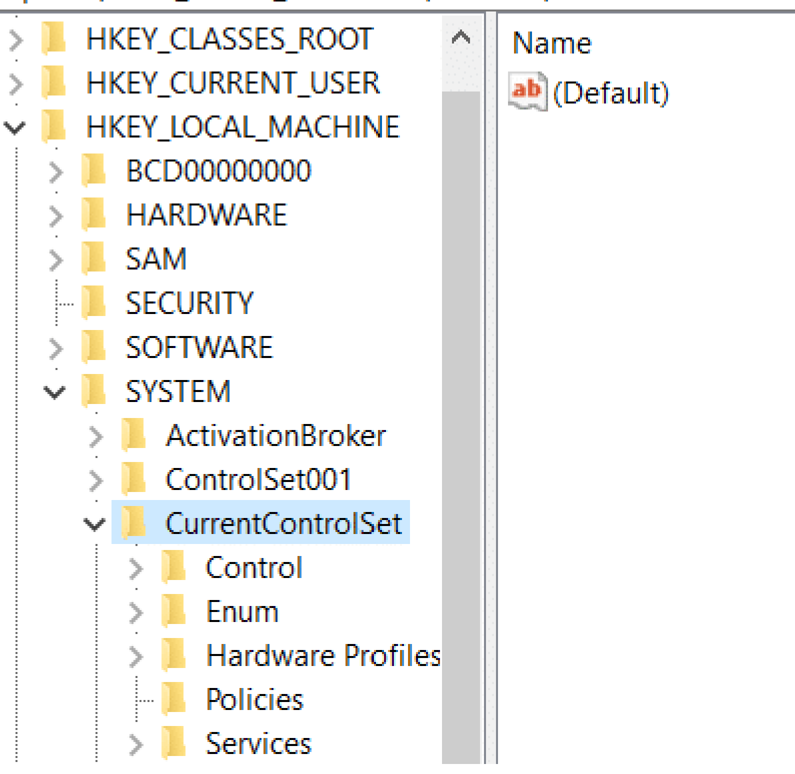
Click on the System folder.



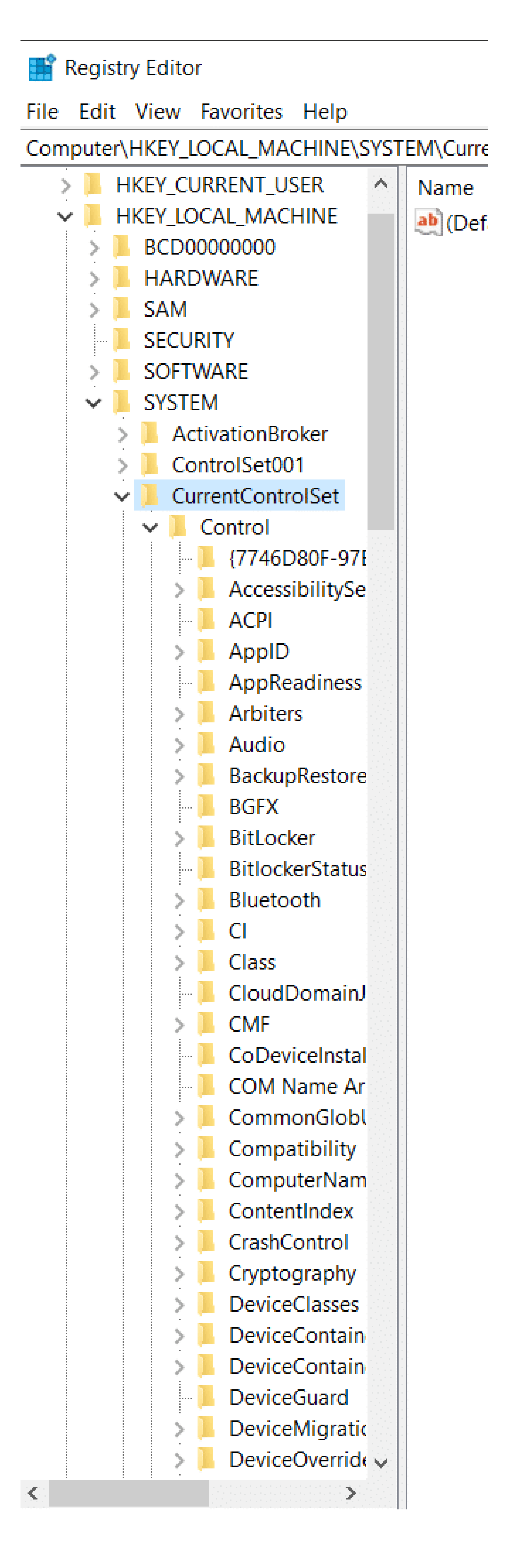


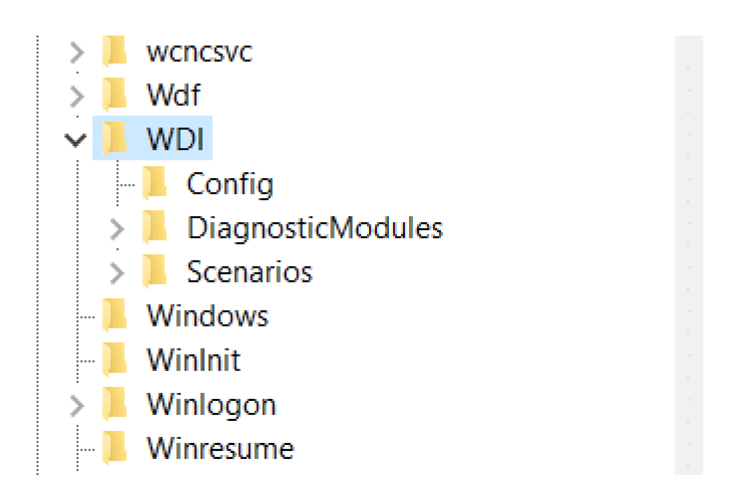
Under System, click Current Control Set.





WDI is located under the Control folder, so click on that.


Registry Editor
File Edit View Favorites Help
Computer\HKEY_LOCAL_MACHINE\SYSTEM\Curre
HKEY_CURRENT_USER
HKEY_LOCAL_MACHINE
BCD00000000
HARDWARE
SAM
SECURITY
SOFTWARE
SYSTEM
ActivationBroker
ControlSet001
CurrentControlSet
Control
{7746D80F-97E
AccessibilitySe
ACPI
AppID
AppReadiness
Arbiters
Audio
BackupRestore
BGFX
BitLocker
BitlockerStatus
Bluetooth
CI
Class
CloudDomainJ
CMF
CoDeviceInstal
COM Name Ar
CommonGlobl
Compatibility
ComputerNam
ContentIndex
CrashControl
Cryptography
DeviceClasses
DeviceContain
DeviceContain
DeviceGuard
DeviceMigratic
DeviceOverrid
Name
ab (Def

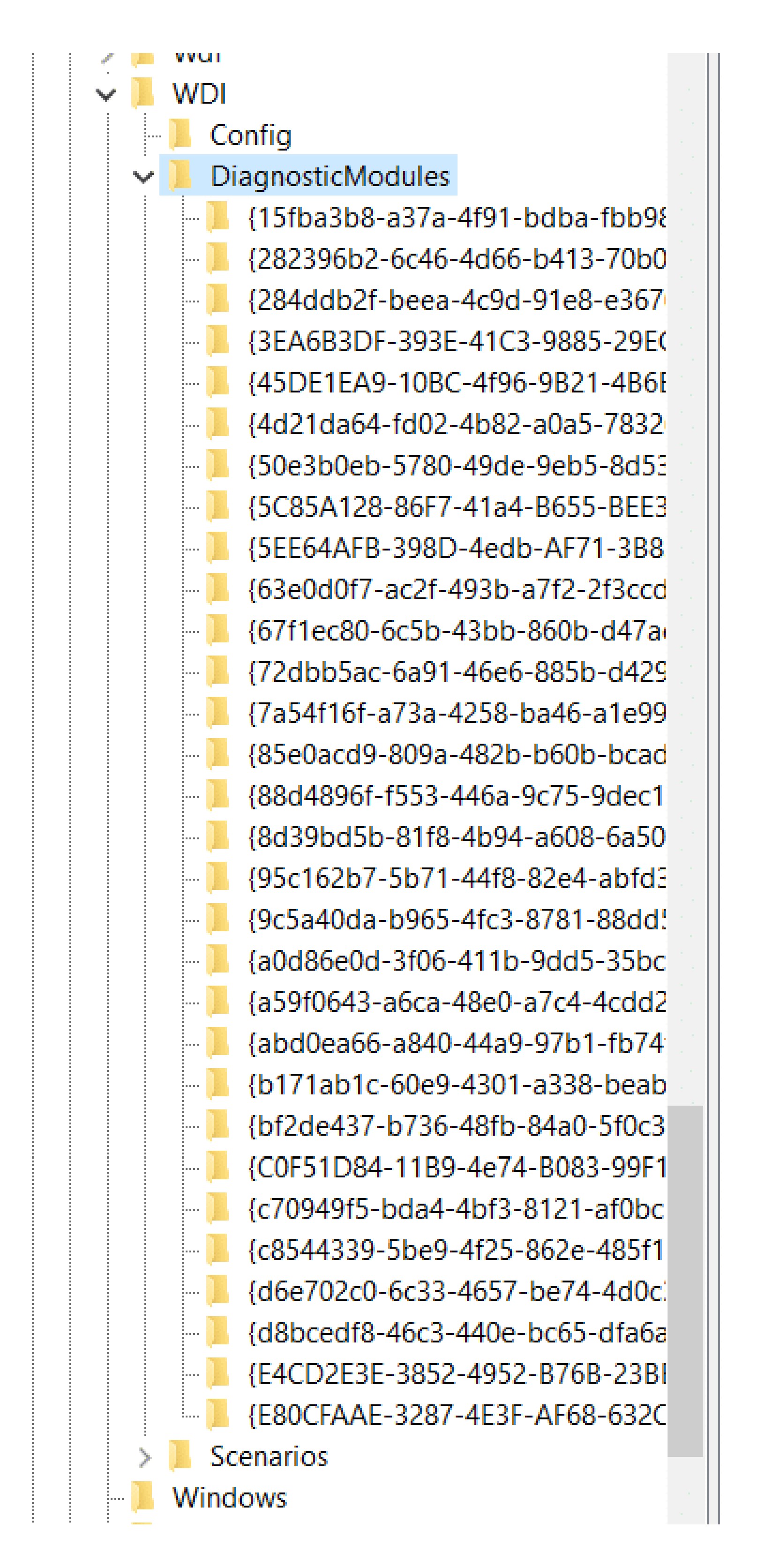


After that, you should find and delete the following registry keys in the DiagnosticModules folder.

{5EE64AFB-398D-4edb-AF71-3B830219ABF7}

{45DE1EA9-10BC-4f96-9B21-4B6B83DBF476}

{C0F51D84-11B9-4e74-B083-99F11BA2DB0A}



Please restart your computer once you've completed this process.

This will fix your computer and no longer be any low-memory error message.

FAQs

What does it mean when your computer is low on memory?

You get the Your computer is low on memory message if your RAM runs out and virtual memory becomes low. If you have low memory, you won't be able to open a program or save data to the computer until the problem is fixed.

How do I fix “Your computer is low on memory” in my system?

“Your computer is low on memory” issue can be caused by a variety of reasons.
There are a few ways to fix the “Your computer is low on memory” popup error on Windows.
Disable Programs that consume too much memory
Disable Startup Programs
Manually increase Virtual Memory
Upgrade RAM
Update Windows to the latest version
Check and Repair Disk Errors
Run System CleanUp to Remove Junk and Temporary Files
Remove recently installed software
Use Windows Troubleshooter
Repair any error in your registry
Run a full system scan
Correct system errors
Disable Windows Memory Warnings

What do I do when my Mac says my computer is low on memory?

“You have Low Memory” is a Mac virus or a potentially unwanted application in the system that displays misleading warning messages.
Here are some ways to fix it-
Get rid of malicious profiles on your Mac
Remove any unfamiliar activity from your system
Get rid of malicious apps on your Mac
Verify and remove any malicious files
Remove malicious extensions from Safari, Chrome, or Firefox

What does the “Automatically Manage Paging File” option do ?

When Windows configures virtual memory, the Operating System automatically creates page files on volumes based on the Operating System’s best judgement. Under Virtual Memory, this setting is titled “Automatically manage paging file size for all drives”.

Is RAM and Virtual Memory the same thing?

When a computer has no more random access memory (RAM), it uses virtual memory. Sometimes the amount of RAM required to hold all running programs and data exceeds the maximum size of available RAM.